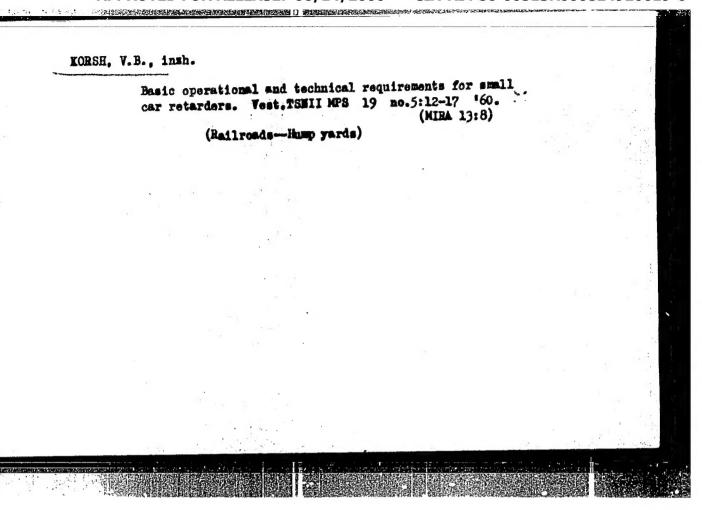
EXT(1)/EWA(+)/EWA(b)-2 JK UR/0016/64/000/012/0026/0029 AP5012369 Yacarava, L. S.; Korsh, P. V.; Havdonikas, O. V.; Fedorova, T. N. t tractic of tularemia and Gmsk hemorrhagin fever in suskrate in mikrobiologii, epidemiologii i immunobiologii, no. 12, 1964, 26-25 cacterial disease, virus disease, disease incidence wired epizootic of tularemia and Omsk hemorrhagic fever broke out of the fall and whater of 1960-1961 in hes, it wonthinsk Bar-Marzatskiy, and Chanovskiy Rayons), and Kurgan trokrouso. skiy Rayon, es, an epizootic among auskrata may threaten names beings not The but with Omak hemorrhagic fever. Dright art, can I tables. .... ......... Umakiy institut prorodnoo chagovykh infektsiy Ministeratya ANTUR (Imak Institute of Natural-Focus infections, Ministry SUB CODE: LS SUBMITTED: 03Jun63 ENCL: JPRS Cord 1/1 SOV: 005 OTHER: 000

# Determining operational engineering indicies for automatic control in classification hump yards. Vest. TSNII MFS 17 no.6:9-14 S \*56. (MIRA 11:11) (Railroads--Hump yards) (Railroads--Hump yards)



APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824920019-6"

SADIKOV, P.P.; LEBELEVA, T.P.; KORSK V.B.; BELENOV, V.K.; PETRUNENKOV, A.Y.;
TJEHKOV, L.B.; ASHIKHIMA, A.K., inzh.; retsenzent; PREDE, V.Yu.,
jnzh., red.; VOROTNIKOVA, L.F., tekhar.red.

[Technological equipment of reilroad stations] Tekhnicheskoe
osnashchenie stantsii. Moskva, Transzheldorizdat, 1963.
153 p.

(Railroads—Stations)
(Railroads—Equipment and supplies)

KORSH, YA.

UBSR/Biology, Agricultural - Plant Growth Stimulants

Sep.51

MANAGEMENT PROPERTY AND A CONTROL OF THE PROPERTY OF THE PROPE

"Chemical Weeding of Grain Crops," Ya. Korsh

"Nauka i Zhizn'" Vol XVIII, No 9, pp 33,34

Large-scale expts on the agricultural application of 2,4-dichlorophenoxyacetic acid and 2-methyl-4-chlorophenoxyacetic acid were conducted in many parts of the USSR in the summer of 1950. Spraying of fields for the purpose of weeding was carried out from planes. Docent I.I. Gunar and M.Ya. Berezovskiy, Cand Agr Sci, scientists from the Moscow Agr Acad imeni K.A. Timiryazev who were in charge of this work, received a Stalin Prize in 1951 for this work.

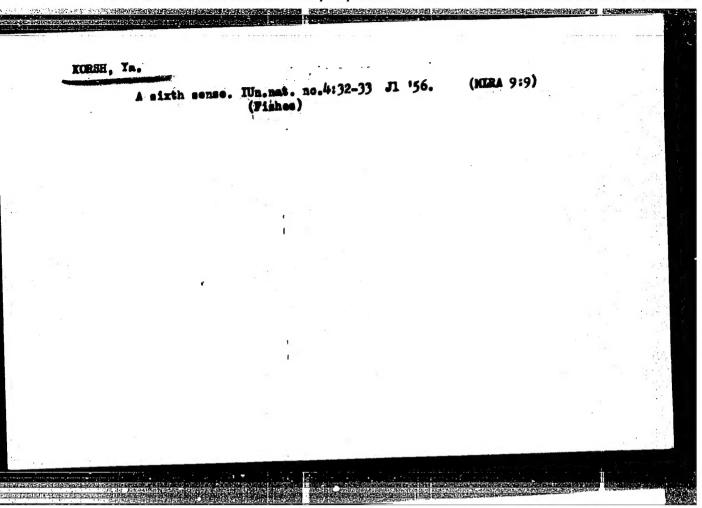
21317

PUTYATIN, M.D., kandidat tekhnicheskikh nauk; KORSH, Ya.M., redaktor;
ISLENT'YMVA, P.G., tekhnicheskiy redaktor.

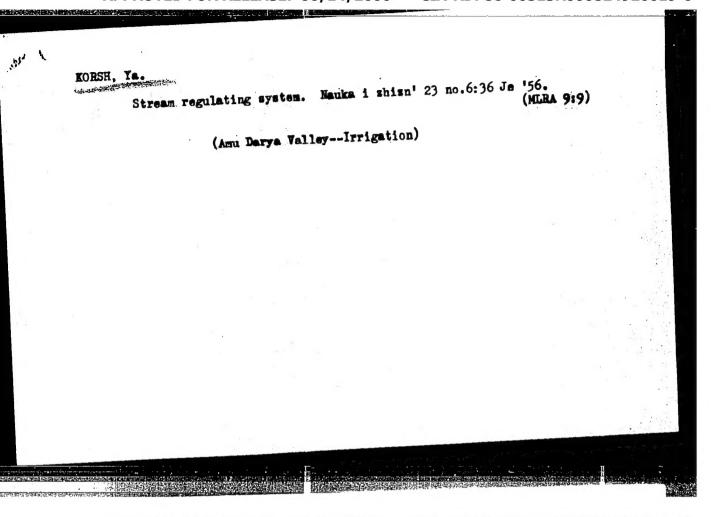
[Experience in the operation of DT-54 diesel tractors] Opyt ekspluatatid disel'nykh traktorov DT-54. Moskva, Isd-vo "Enanie," 1953.
(MLRA 6:12)

31 p. (Tractors) (Diesel engines)

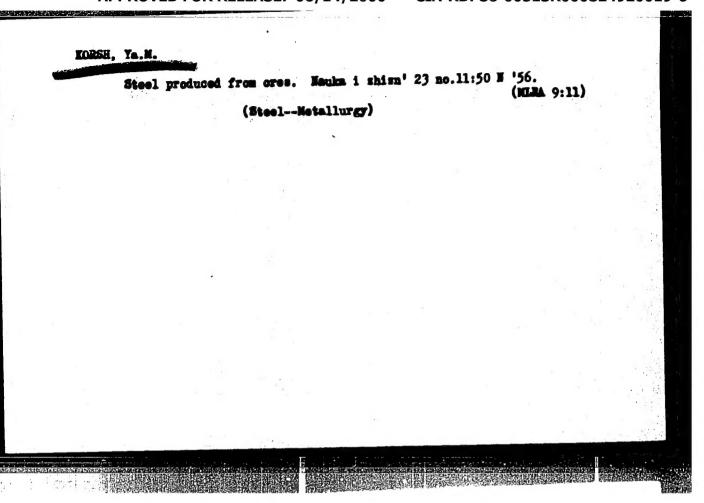
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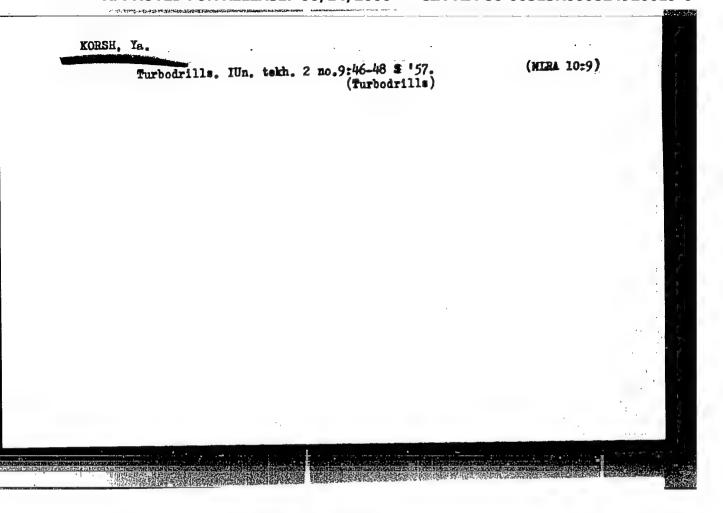


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Precious grains. Iman. sila 31 no.8:26-29 Ag 156. (MLRA 9:10)

(Ore dressing)



AUTHOR:

Korsh, Ya.

4-58-4-10/19

TITLE:

Oil From Sand (Neft' iz peska)

PERIODICAL:

Znaniye - Sila, 1958, Nr 4, pp 26-27 (USSR)

ABSTRACT:

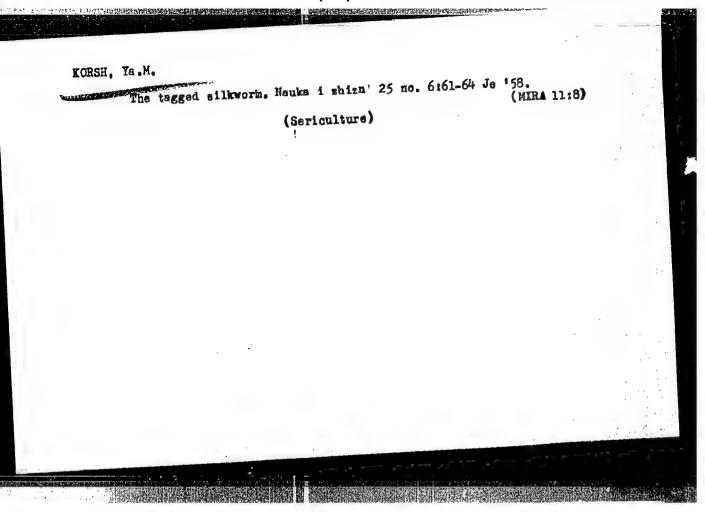
The article describes the sandy hill of Kirmak near Baku which has proved to be so impregnated with raw petroleum that it can be "cracked" and refined at low cost. There are many more such hills in the neighbourhood, and around Sochi, there are thought to be many others. About 92% of the oil is extracted. The balance remains in a coke, which burns hotly and leaves a residue useful for building purposes. Inflammable gas is produced as a by-product. The article finally estimates that there are millions of tons of this black gold. There are

2 sketches.

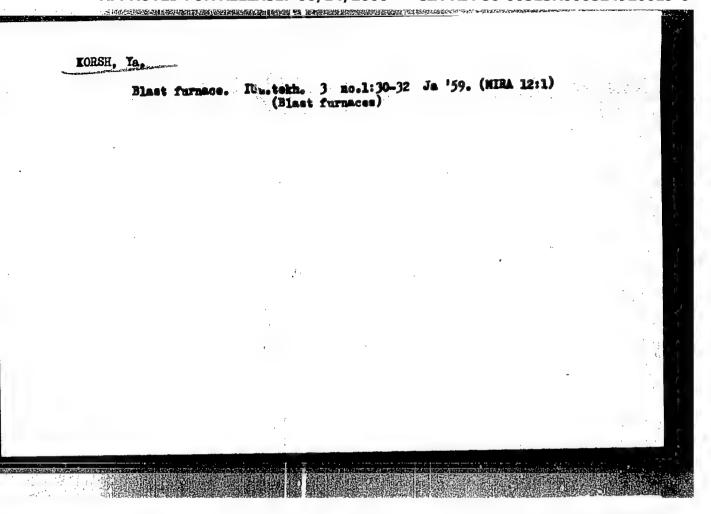
AVAILABLE:

Library of Congress

Card 1/1



APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824920019-6"



3(5)

SOV/25-59-6-45/49

AUTHOR:

Korsh, Ya.

TITLE:

A Migrating Lake

PERIODISAL:

Nauka i zhizn', 1959, Nr 6, pp 78-79 (USSR)

ABSTRACT:

The Lobnor Lake situated in the Takla-Makan desert (West China) changed both its geographic position and its chemical composition. Its water has been found to be sometimes salty, sometimes potable. Professor E.M. Murzayev, Doctor of Geographic Sciences, gives the following explanation of the strange facts: The Tarim and Konche-Darya Rivers, feeding the lake, sometimes change their directions and fill other depressions having other geological contents. In 1930, the lake was 100 km long, 50 km wide and not more than 5 m deep. New irrigation networks will probably dry up the entire lake.

Card 1/1

KORSHAK, F. A.,

Geodesy, Geodeziya, Dorizdat, 1949.

TABCON, W-13807, 22 Sep 50

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Ceodeziya. (Geodesy) 3. Izd Perer. I Dopol. Moskva, Dorizdat, 1952.
381 p. Tables, Diagrs.
"Spisok Literatury": p. 377+(378)

So: N/5
623.1
.F2
1952
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STEPANOV, Nikolay Nikolayevich, professor; KOBSHAK, P.A., redaktor;
SOLOVEYCHIK, A.A., tekhnicheskiy redaktor

[Geodesy] Geodestia. Leningrad, Gidrosetsorologicheskoe ind-vo, 1954.

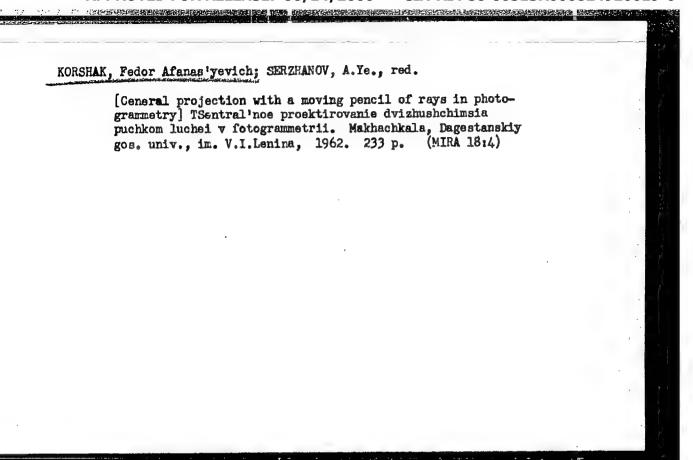
[Microfilm]

(Geodesy)

(Geodesy)

FEDOROV, Nikolay Vasil'yevich; KORSHAE, Fedor Afanas'yevich; CHVAHOV, V.G., redaktor; KOCAH, F.L., termiohesily redaktor

[Geodesy] Geodesiia. Isd. 4-oe, perer. Moskva, Nauchno-tekhn. isd-vo avtotransp. lit-ry, 1956. 403 p. (MINA 10:1) (Geodesy)



KOVAL', N.M., nauchnyy sotr., kand. sel'khoz. nauk; GERMAN, Ya.B., starshiy nauchnyy sotr.; BIRTUKOV, Yu.V., starshiy nauchnyy sotr.; MART'YANOVA, O.A., starshiy nauchnyy sotr.; SHASHKOV, I.G., nauchnyy rabotnik; KORSHAK, I.T.; EROZHEYT, M.F.; KUKHARCHUK, G.N.; YEFREMOV, N.V., red.; CHEREVATSKIY, S.A., tekhn. red.

[Technological charts for grape cultivation] Tekhnologicheskie karty po vozdelyvaniiu vinograda. Kiev, Gos.izd-vo sel'khoz. lit-ry USSR, 1961. 141 p. (MIRA 15:3)

1. Ukrainskiy nauchno-issledovatel skiy institut vinogradarstva i vinodeliya im. Tairova (for Koval', German, Biryukov, Mart'yanova). 2. Zakarpatskaya opytnaya stantsiya (for Shashkov). 3. Ministerstvo sel'skogo khozyaystva USSR (for Korshak, Brozheyt, Kucharchuk). (Ukraine--Viticulture)

EWT(1)/EWT(m)/T/EWP(t)/EWP(b) IJP(c) JD/GG L 14133-66 ACC NR: AP6000875 SOURCE CODE: UR/0181/65/007/012/3655/3657 AUTHORS: Galavanov. V. V.; Goryunova, N. A.; Korshak, N. M.; Mamayev, S.; Nazarov, A. ORG: Physicotechnical Institute im. A. F. Ioffe AN SSSR, Leningrad (Fiziko-tekhnicheskiy institut AN SSSR) Some properties of p-CdSnAs SOURCE: Fizika tverdogo tela, v. 7, no. 12, 1965, 3655-3657 TOPIC TAGS: cadmium compound, arsenic compound, tin compound, single crystal, electric conductivity, Hall coefficient, thermoelectric power, temperature dependence ABSTRACT: Although the properties of n-type CdSnAs have been described in the literature, there is no published information on the p-type compound. The authors have produced by single crystals of p-type CdSnAs zone melting and measured the temperature dependence of the specific electric conductivity o, the Hall coefficient R, and Card

ACC NR: AP7006211

(A)

SOURCE CODE: UR/0363/67/003/001/0180/0181

AUTHOR: Goryunova, N. A.; Borshchevskiy, A. S.; Venkrbets, Ya. Ya.; Korshak. N. M.

ORG: Physicotechnical Institute im. A. F. Ioffe, Academy of Sciences, SSSR (Fiziko-tekhnicheskiy institut Akademii nauk SSSR); Department of Solid State Physics, Prague Polytechnic Institute (Kafedra fiziki tverdogo tela, Prazhskiy politekhnicheskiy institut)

TITLE: Growing of CdSnAs2 single crystals

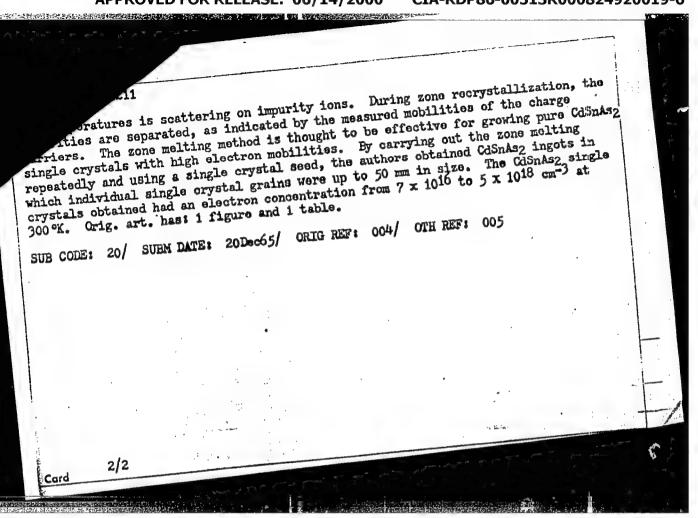
SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 3, no. 1, 1967, 180-181

TOPIC TAGS: cadmium compound, tin compound, arsenide, single crystal growing, zone

ABSTRACT: A single-crystal ingot of the semiconducting compound CdSnAs2 was prepared by zone melting. The zone temperature was  $600\,^{\circ}\text{C}$ , and the gradient at the crystallization front, 20 deg/cm. After one pass of the zone at a rate of 8 mm/hr, an ingot was obtained whose first half was a single crystal, whose middle portion contained twins, and whose end was macrocrystalline and contained cracks. The mechanism of formation of cracks is explained. The ingot had an n-type conductivity. The electrical conductivity  $\sigma$ , carrier concentration n=1/eR and Hall mobility  $U=R\sigma$ , the chief mechanism of electron scattering in  $\eta$ -CdSnAs2 with  $n \ge 1 \times 10^{18}$  cm<sup>-3</sup> at

Card 1/2

UDC: 546.3-19-48-811-19+548.55



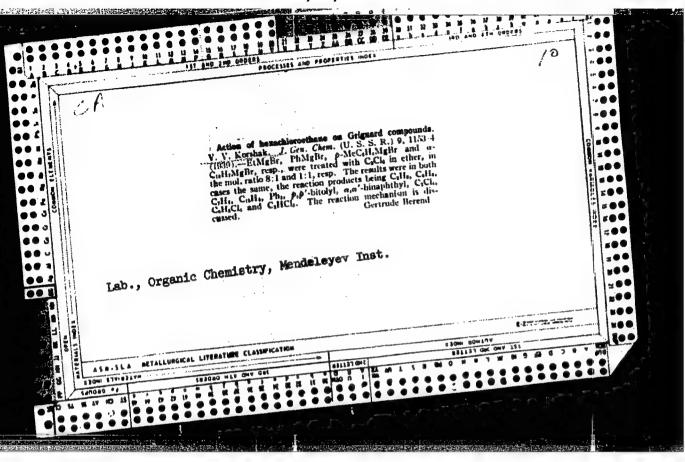
APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824920019-6"

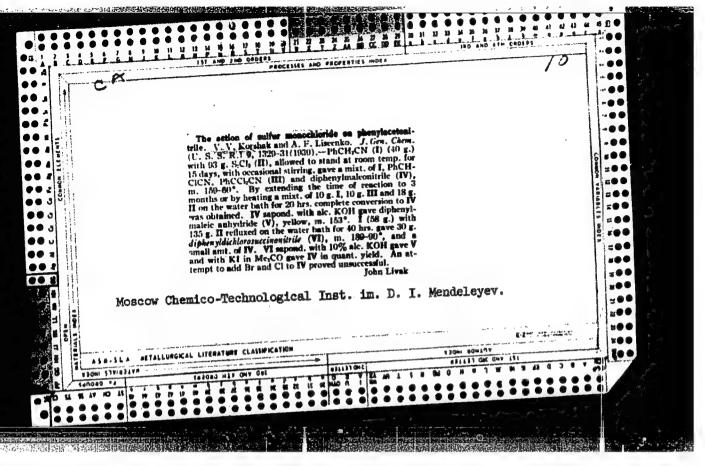
KORSHAK, V. V.

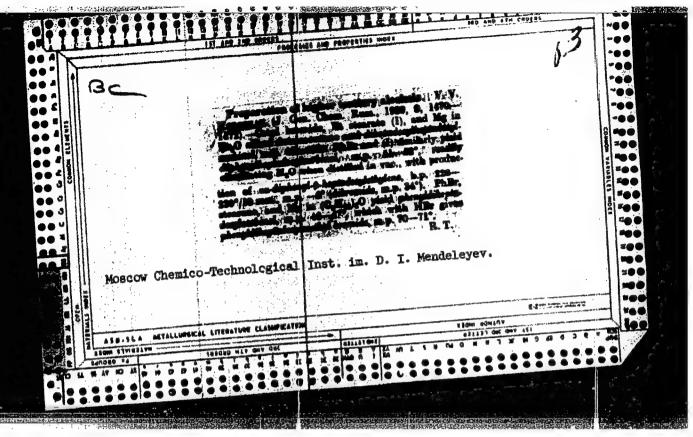
Condensation of methylene chloride with phenols. P. P. Shorygin, I. P. Losev and V. V. Korshak. J. Applied Chem. (U.S.S.R.) 9, 1432-6 (in French 1436) (1936). - CH2Cl2 was condensed with PhOH in the presence of 2-10 cc, of 25% NH3 aq. (Catalyst) in a sealed glass tube at 1800 for 1 hr., yielding 3.3 g. of tar per 4.2 g. of CH2Cl2 of the compn. C 74.27, H 7.43, and Cl 0%, AcO no. 259, mol. wt. 192.7 Br ho. 203, d. 1. 159, initial m. p. 680, relative viscosity of the 3% alc. soln. 1.137. NaOH, HCl and the "Kontakt Petrov" (petroleum sulfonic acids) were also tested as catalysts with neg. results. The condensation of 71 g. of Ph OH and 42 g. of CH2Cl2 in a rotatory steel autoclave at 1800 under pressure up to 45 atm. for 1 hr. in the presence of 80 ce. of 25% NHLOLL yielded 50 g. of a dark brown tar (contg. no Cl) of "bakelite" type, m. 108-20°. The tar was polymerized at 160° in the presence of 10% of urotropine in 5 min. and in 3 min. with 20% of the latter, and the product of the polymerization was used in the prepn. of a plastic mass. The plastic mass, contg. polymerized tar 50 and wood dust 50%, was pressed at 150-600 at 300 atm. to a board, which had good mech. properties and was not much affected by acid and water. Condensation of CH2Cl2 with a technical cresol under the same condition yielded a light brown tar m. 50°. Condensation of CH2Cl2 with urea yielded a light brownish product consisting mainly of biuret, and in the absence of NH3 a white solid substance consisting of biuret and cyanuric acid. One literature and 5 patent references. A. A. Podgorny

KORSHAK, V. V.

"Condensation of Methylene Chloride with Phenols, II." by P. P. Shorygin, I. P. Losev, and V. V. Korshak. J. Applied Chem. (USSR) 10, 136-40 (in French 140) (1937); cf. C.A. 31, 21812. - CH<sub>2</sub>Cl<sub>2</sub> condenses with PhOH in the presence of aq. (1937); at 130° on 5 hrs.' heating with a mol. ratio of PhOH to CH<sub>2</sub>Cl<sub>2</sub> of 1.25. NH<sub>3</sub> can be replaced with by MeNH, Mc2NH or Mc3N; hence (CH<sub>2</sub>)6Nh is not an intermediate reaction product of the condensation. PhOH (7.1 g.) heated for 1 hr. at 180° with 4.2 g. CH<sub>2</sub>Cl<sub>2</sub> gave in the presence of NH<sub>3</sub>, MeNH<sub>2</sub>, Me2NH and Me<sub>3</sub>N, resp., 5.83, 8.36, 5.32 and 4.16 g. of resin. A. A. Podgorny

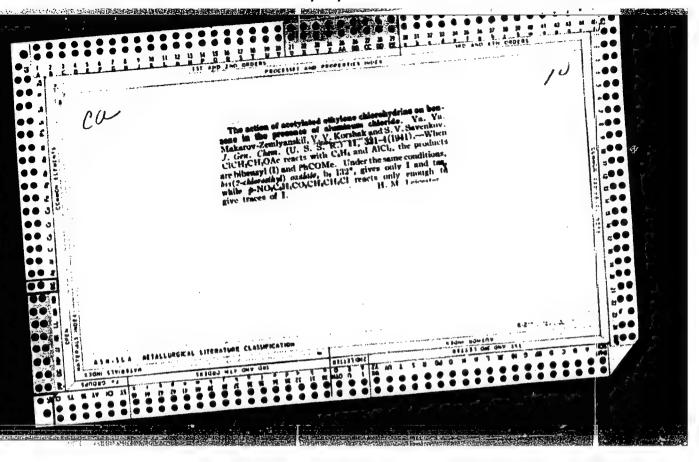


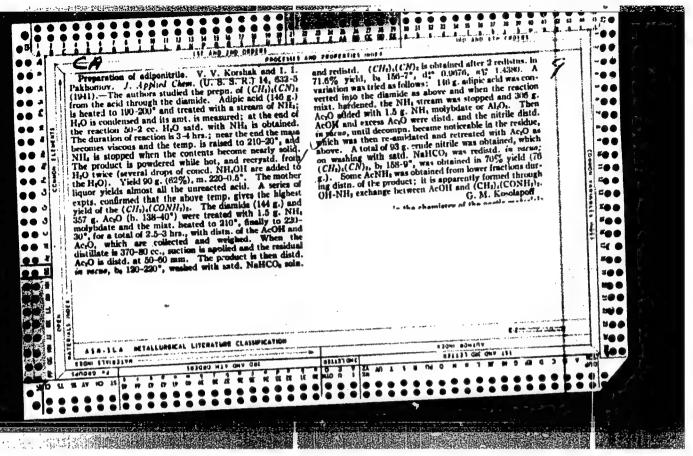


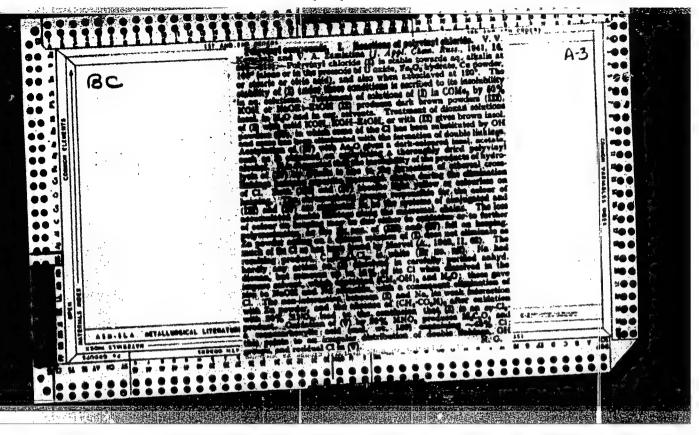


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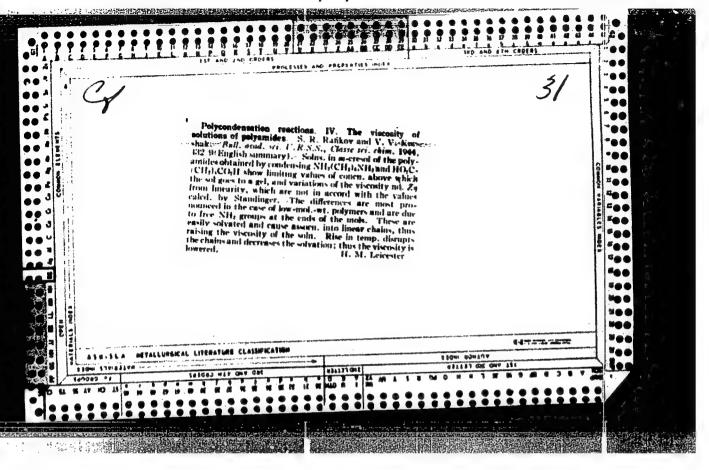


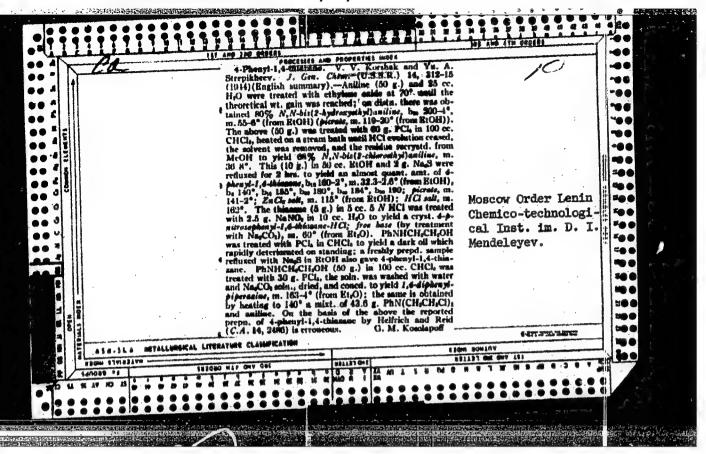


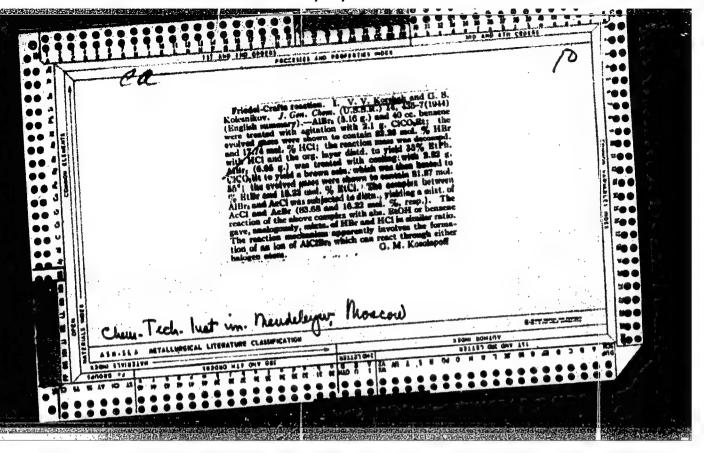


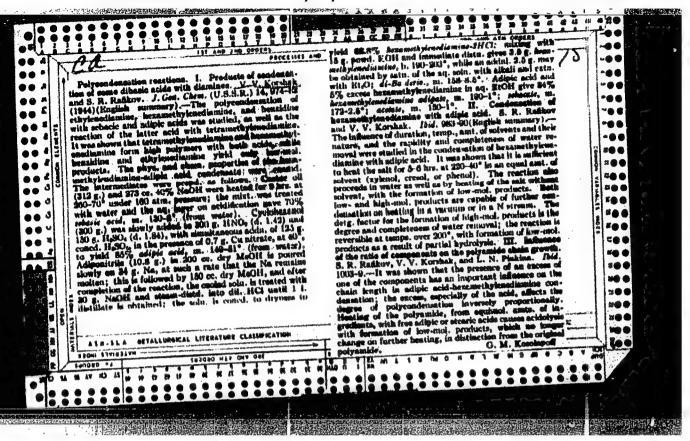
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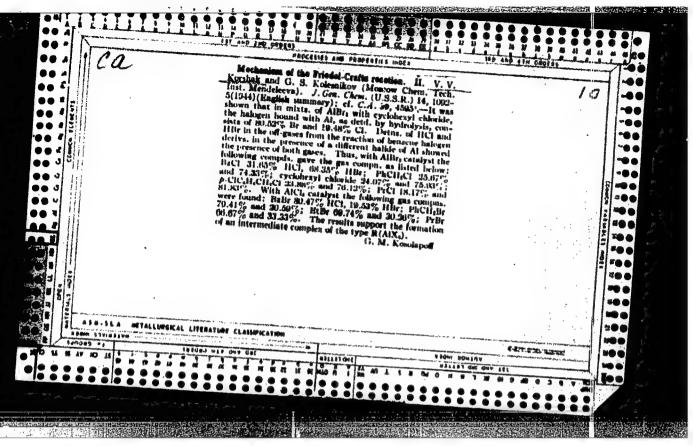


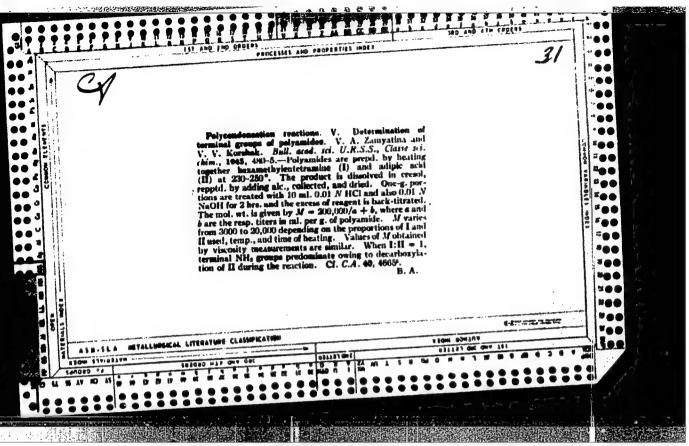
KORSHAK, V. V.

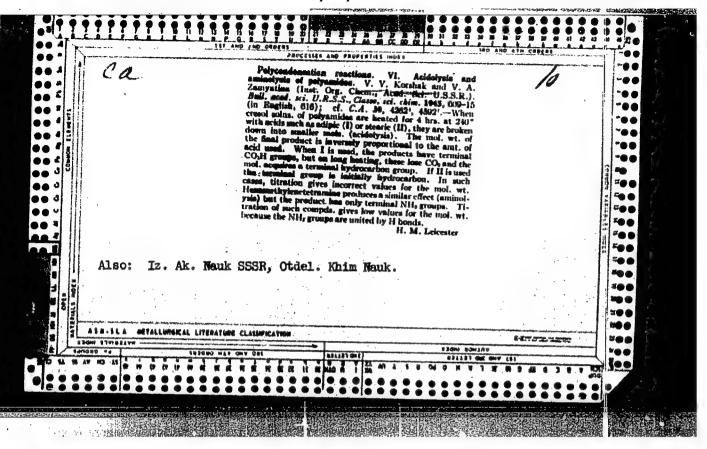
"Studies of polycondensation reactions. II. On the condensation of hexamethylenediamine with adipic acid." Rafikov, S. R. and Korshak, V. V. (p. 983)

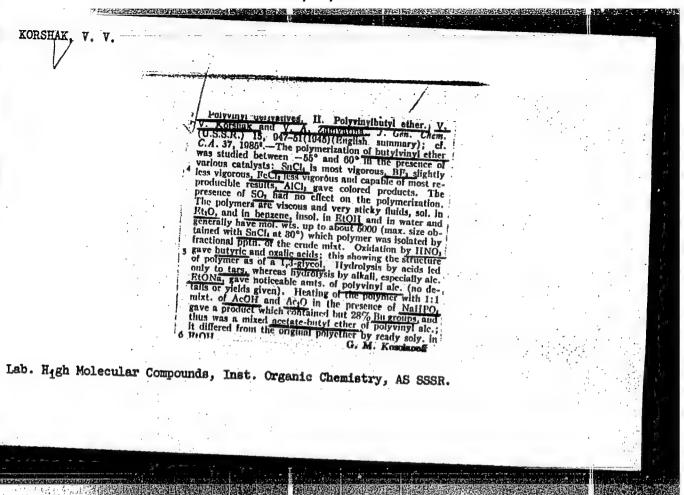
SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1944, Volume 14, no. 9-10.

Lab. High Molecular Compounds Inst. Organic Chemistry, AS SSSR.

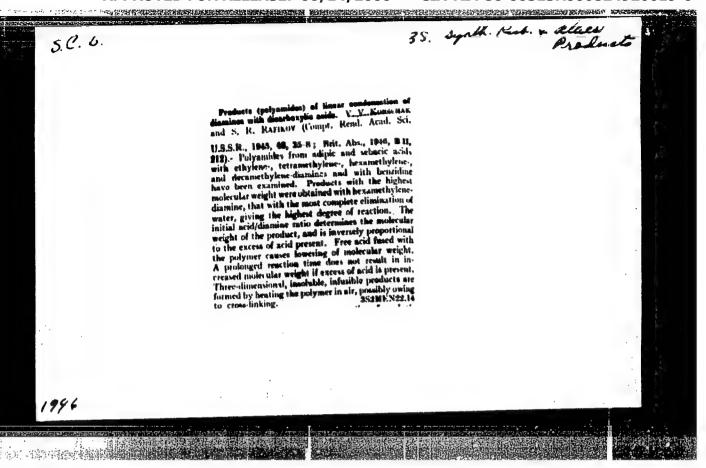


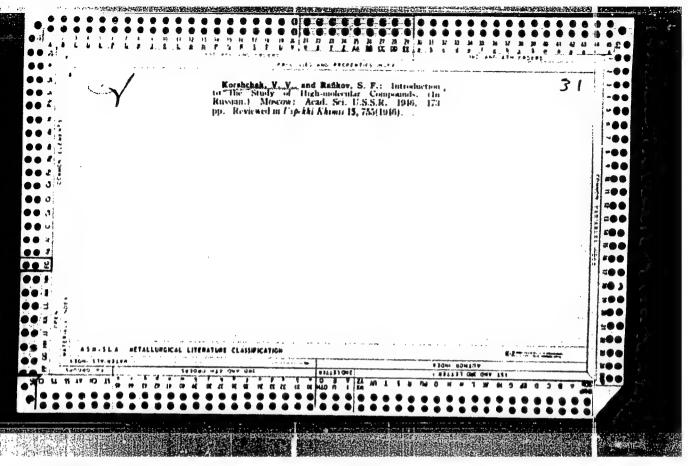


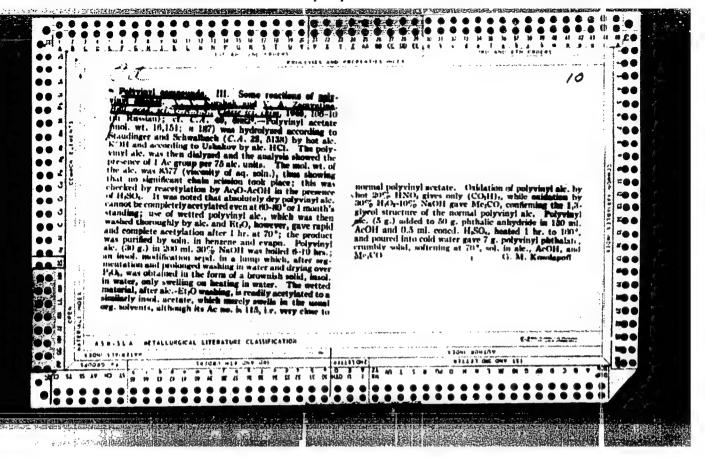




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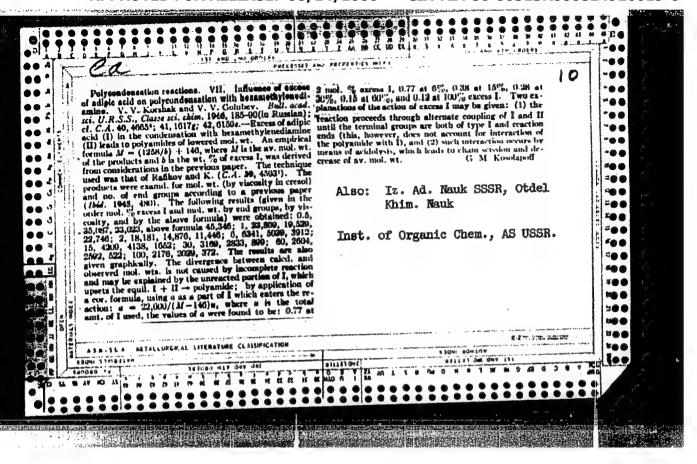
KORSHAK, V. V.

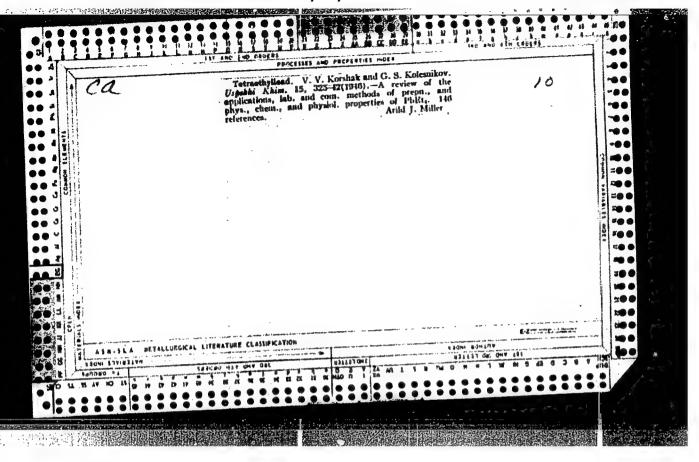
Products of addition of mercuric nitrate to acetylene. V. V. Korshak and V. A. Zamyatina. Bull. acad. sci. U.R.S.S., Classe sci. chim. 1946, 111-14 (in Russian).—

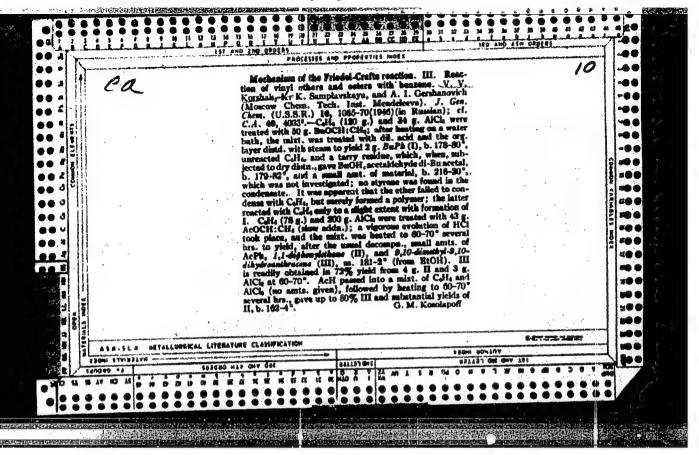
C2H2 was passed into a 25% soln. of Hg(NO3)2 in 2% HNO3; the ppt. was washed after rapid filtration by 2% HNO3, H2O, alc., and Et2O. It is a heavy white solid, C2HNO4-Hg2, which inflames on heating and gives CHI3 with iodine in K1; it absorbs Br from its soln. in CCl4 or H2O (2 moles and 6 miles, resp.). Heating 1 g. in 20 ml. AcOH gives an anhydride, C2H2O2Hg (mol. wt. 249.5-269, in AcOH), which ppts. from the reaction soln. and decomp. above 240°. If C2H2 is passed into 10 g. Hg(NO3)2 in AcOH contg. a little Ac2O the pptd. product is C2H2N2OHg2, adds Br and gives CHI3 with iodide, i.e. is a deriv. of Ach. CECH: CHHgCl (lg.) (from C2H2 and HgCl2 in 15% HCL) was shaken in 25% aq. Hg(NO3)2; soln. and simultaneous pptn. take place; the product is C2HNO4Hg2, identical with that described above. On the basis of the observations, the following structures are believed to be correct: C2H2N2O7Hg2 is (O3NHg)2CHCHO, while C2HNO4Hg2 is Hg.O.CH:CHgNO3.

### "APPROVED FOR RELEASE: 06/14/2000

#### CIA-RDP86-00513R000824920019-6





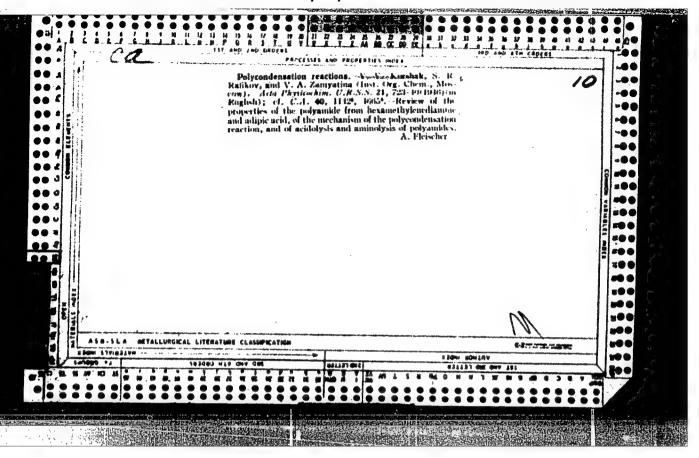


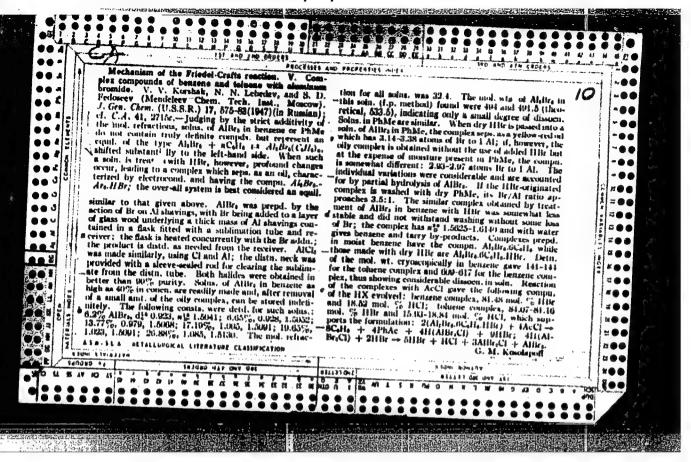
Chemistry Commenties, Pal/mg 1986
Chemistry - Anddes, Poly - Acidolysis
and Aminolysis of

"Studies of Polycondensation Reactions," V. Eurebak,
B. Raffilov, V. Zaniatins, Inst Org Chem, Acad Sci
USSR, Moscow, 18 pp

"Acta Physicochimics URSS" Vol III; No 4

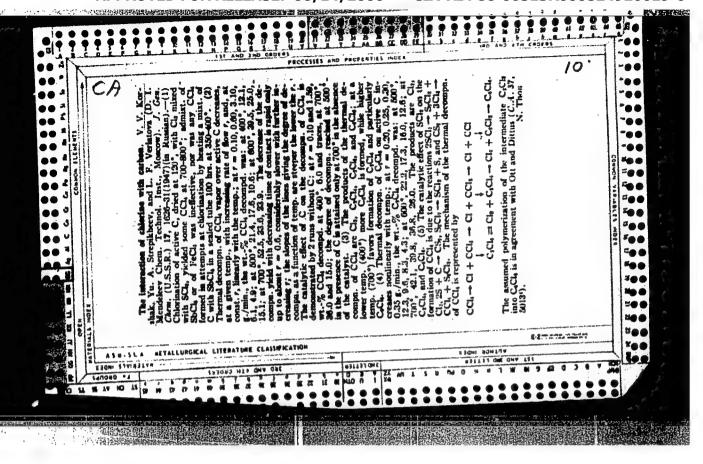
Budies of polycondensation reaction between hara—
whylemediamine and adiptic scid, and of diamines
with disarboxylic acids. Acidolysis and aminolysis
reactions consisting in destruction of polymides
on heating with adds, or maines are described. Demiyel 18 Oct. 1985.

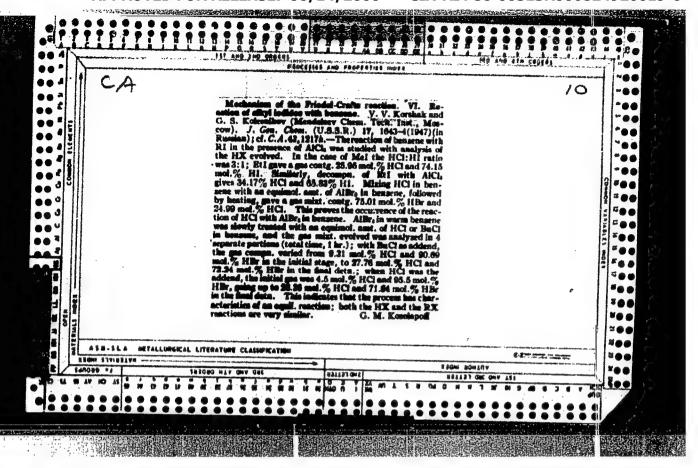


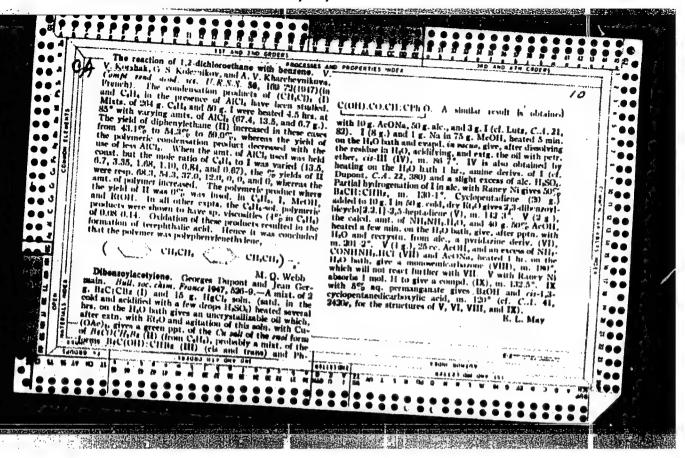


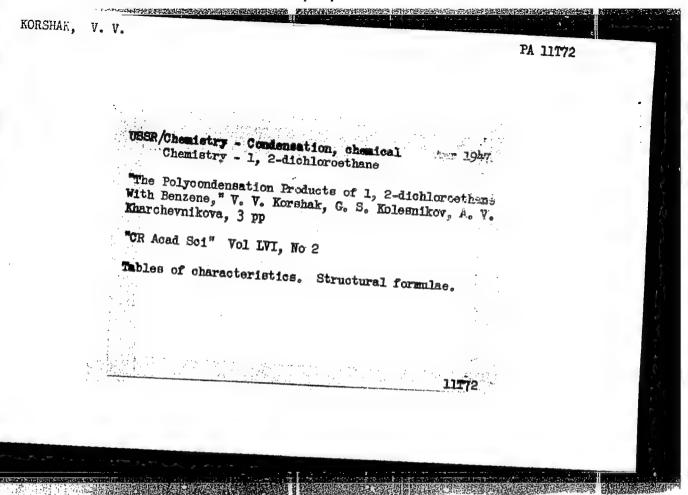
"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824920019-6









KORSHAK, V. V.

Desc/Chamistry - Mildes, Poly
Chemistry - Synthesis

"The Formation of Three Dimensional Structure in Polyanides," V. V. Korshak, B. R. Rafikov, Inst Org Chem, Acad Sci, 4 pp

"Dok Akad Mank SSER, Nova Ser" Vol LVI, No 6

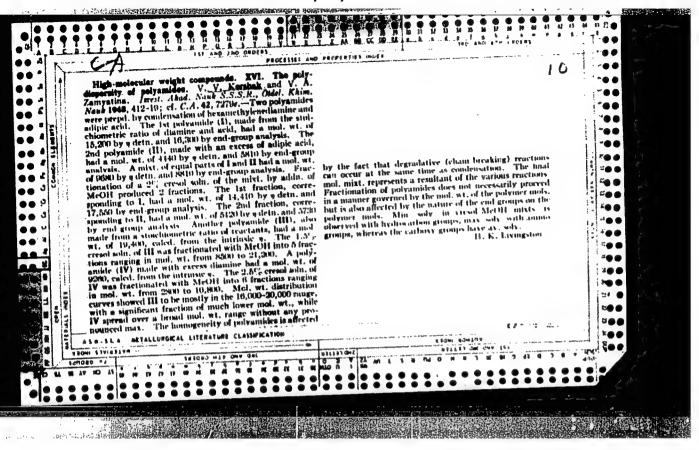
Discusses study of so-called "stitching" of macromolecules from point of view of importance of use in technique to obtain new materials with technically valuable qualities and to improve quality of known products. Submitted by Academician A. N. Hesmeyanov, 20 Oct 1946.

. v. and LEBEDEV, N. N.

"Complex Compounds of Alkyl Halide and Aluminum Halide," Dok. AN, 57, No. 3,

#### "APPROVED FOR RELEASE: 06/14/2000

#### CIA-RDP86-00513R000824920019-6



KORSHKK...V.V.

USSA/Chemistry - Amides, Poly Chemistry - Distillation Ju]/Aug 48

"Studies in the Pield of High-Malecular "ompounds," V. V. Korshak, V. A. Zamyatina, Inst Org Chem, Acad Sci USSR,  $7\frac{1}{2}$  pp

"Is Ak Nauk SSSR, Otdel Khim Nauk" No 4

Describes fractioning of polyamides from solutions in cresol by precipitation with methyl alcohol. Constructs distribution curve. Establishes that polyamides are fairly uniform products containing only small quantities of low-molecular fractions and, therefore, the mean value of the molecular weight, determined by viscosity of solutions, represents the basic constituent of the polyamide fairly accurately. This uniformity, evidently, distinguishes the polyamides from high-molecular substances obtained by polymerization. Submitted 20-Nov 1946.

PA 8/49T15

KORSHAK, V. V.

USSR/Chemistry - Condensation, Chemical

Chemistry - Molecular Weights, Determination

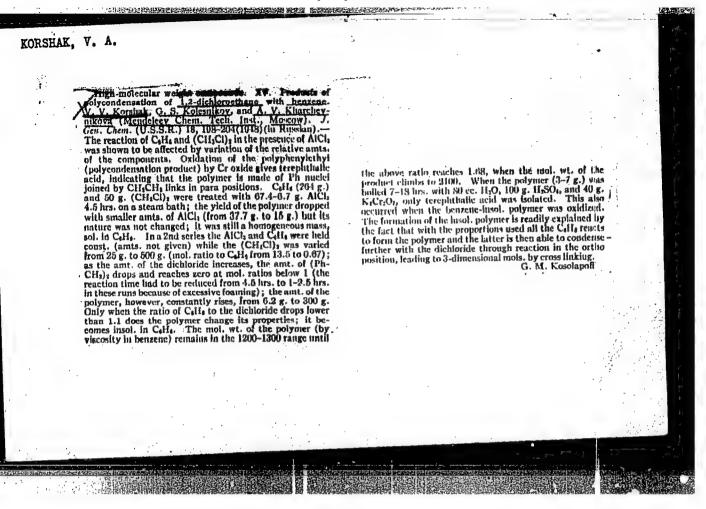
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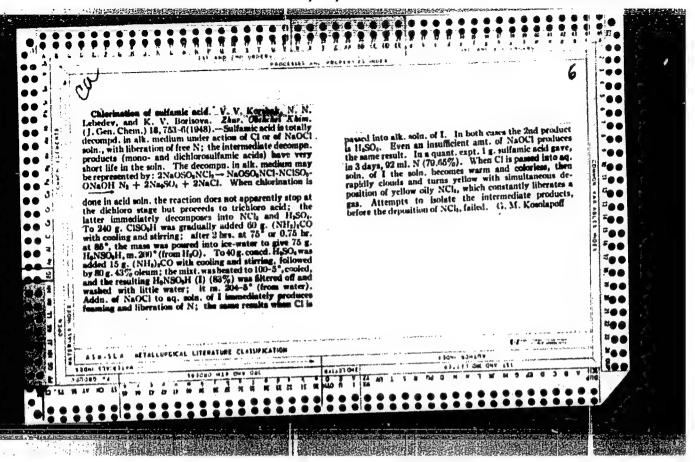
"Research in the Field of High Molecular Compounds: XVII, Distribution of Polyesters According to Molecular Weight, "S. R. Rafikiv, V. V. Korshak, G. N. Chelnokova, Inst Org Chem, Acad Sci USSR, 10 pp

p 642-651 "Iz Ak Nauk SSSR, Otdel Khim Nauk" No 6

Investigated reaction of poylcondensation in adipic acid with glycols. Separated polyesters obtained into fractions, and determined their molecular weight by chemical and viscosimetric methods. Data obtained was used for consideration of the reaction mechanism of linear polycondensation. Submitted 19 Jul 47.

PA 33/49 T23





KORSHAK,	21.56V 61	example of vinylidene chloride. It reacted with benzene in ratio 1:8 in presence of 12-200% aluminum chloride, and yielded 35% theoretical 1,1-diphenylethylene and 45% theoretical of its dimer, 1,1,3-triphenyl-3-methylhydrindene. Limitation of polymerization to dimer is explained by steric hindrance. Submitted 7 Mar 47.	ablished pronounced difference in olefinic part of molecule in vir etate on one hand, and vinyl buty nos of aluminum chloride on the clituted ethylenes now investigated 19/49	"Friedel-Craft's Reaction: VII, Reaction of Vinyl- idens Chloride With Benzens," V. V. Korshak, K. K. Samplavskaya, Moscow Ord of Lenin, Chemicotech Inst iment D. I. Mendeleyev, 4t pp  "Zhur Obshch Khimii" Vol XVIII (LXXX), No 8	USSR/Chemistry - Friedel-Craft's Reaction Aug
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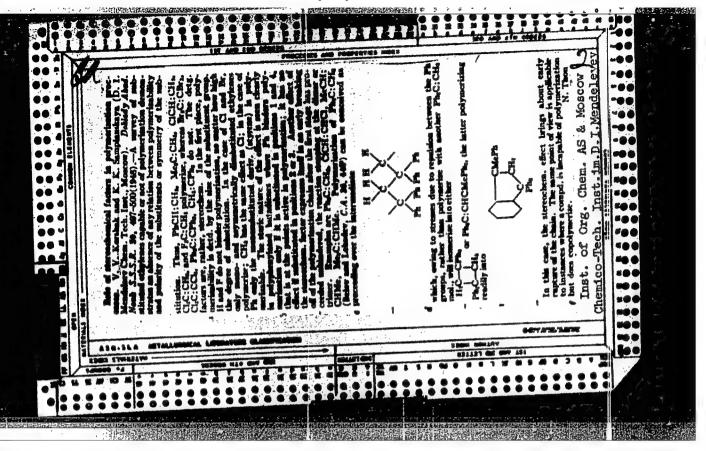
KCRSHAK, V. V.

V. V. Korshak and N. N. Lebedev, On the mechanism of the Friedel-Krafts reaction. VIII. On the structure of complex compounds of aluminum halides with alkyl halides. p. 1766.

The absorption of ultra-violet rays by solutions of aluminum bromide in ethyl bromide was investigated and it was found that this solution absorbs better than the pure solvent. The content of various hydrogen halides in gases evolved during the Friedel-Krafts reaction were also investigated. (This article has a bibliography of 43 entries.)

The Mendeleev Moscow Chemico Technological Inst., Holder of the Lenin Order October 15, 1947

SO: Journal of General Chemistry (USSR) 28, (80) No. 10 (1948):

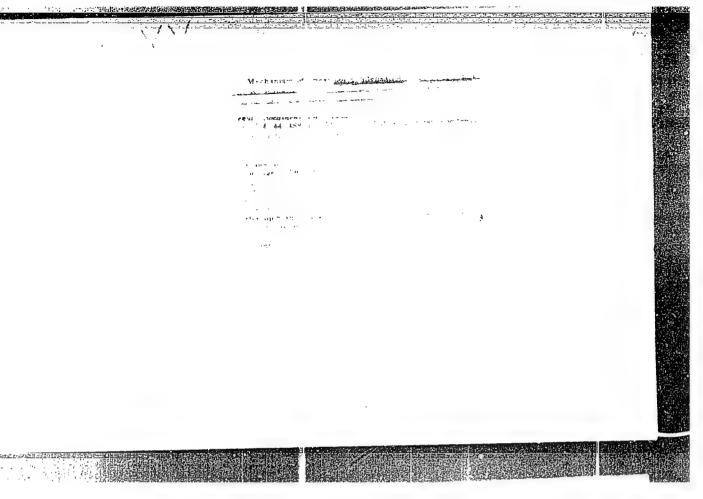


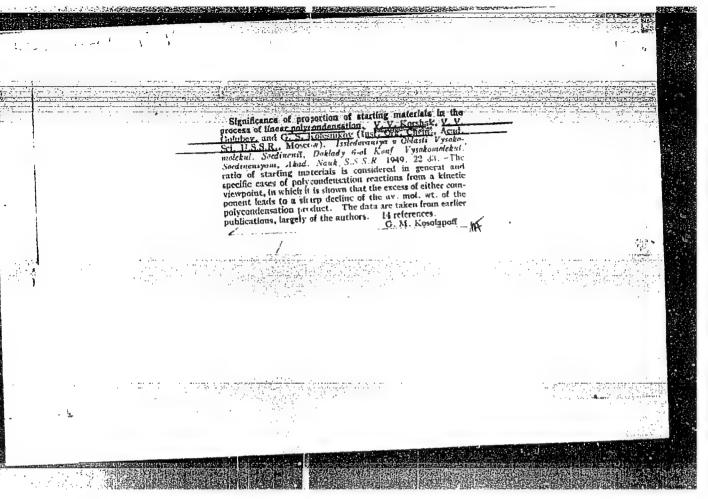
"Degree of Polydispersion of Polyamides," Dok. AN SSSR, Nova Ser., 59, No. 5, 1948.

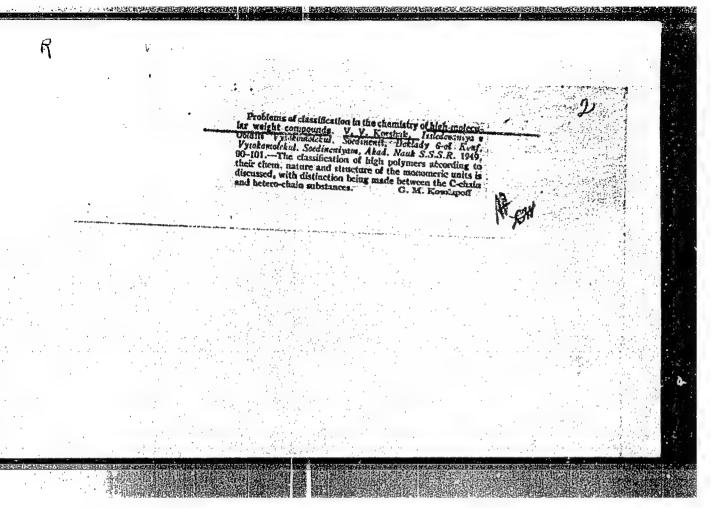
Inst. Org. Chem., AS USSR.

GOLOVA, O.P., IVANOV, V.I., KORSHAK, V.V., doktor khimicheskikh nauk, redaktor; SHEVCHENKO, G.K., teknnicheskiy redaktor.

[Molecular weight of cellulose] 0 molekuliarnom vese tselliu-losy. Moskva, Isd-vo Akad. nauk SSSR, 1949. 114 p. (MLRA 8:8) (Cellulose)







KORSHAK, V. V.

G. II. Chelnokova, S. R. Rafikov and V. V. Korshak

"From the Field of Macromolecular Compounds, 19th Report: The Determination of the Mean Molecular Weight of Polyesters from the Endgroups." Reports of the Academy of Sciences, USSR, Department of Chemical Sciences, 1949, 205-11, April; Institute for Organic Chemistry of the Academy of Sciences, USSR.

ABSTRACT AVAILABLE

D-50054

PA 27/49122 KORSHAK, V. V. USSR/Chemistry - Molecular Weights, G. N. Chelnokova, Inst Org Chem, Acad Sci USSR, 6 Polymer Homologues," S. R. Bafikov, V. V. Korshak, Weight: "Study in the Field of Compounds of High Molecular USER/Chemistry - Molecular Welghts various chemical and physicochemical methods. average molecular weight, which is determined by in compounds of high molecular weight has on Considers influence the degree of polydispersion "Is Ak Mank SSSR, Otdel Khim Mank" operficient of polydispersion. confirmed by investigating synthetic mixtures of average molecular weight, correctness of which i Introduces method of theoretical determination of remotion. Submitted 20 Nov 47. of using this method to evaluate the mechanism of termined, Shows polydispersion, by which the product may be depolyesters. Introduces concept of a coefficient Chemistry - Polymers, Molecular Weights of Calculation of Average (Contd) IVIII, Average Molecular Weights of Calculation of Average graphic method of expressing th No 1 Jan/Feb 49 27/49772

KURSHAK, V. V.

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R00082492001

"Synthesis and Investigation of High Molecular Compounds," Vest. Ak. Nauk SSSR No. 3, 1949.

KORSHAK, V. V.

PA 56/49T18

USSR/Chemistry - Ethylene Chemistry - Polymerization

May/Jun 49

"High-Molecular Compounds: IX, Effect of the Number and Nature of the Substitutes on the Polymerization Capacity of Substituted Ethylenes," V. V. Korshak, Inst of Org Chem, Acad Sci USSR, 5 pp

"Iz Ak Nauk SSSR, Otdel Khim Mauk" No 3

Shows that size and number of substitutes determine the stage of a screening effect, by which these substitutes influence polymerization capacity. Suggests a diagram explaining the dimerization of 1, 1-diphenylethylene. Submitted 20 Sep 48.

56/49118

KORSHAK, V. V.	Submitted 20 nov 18	1888/Chamistry - Right Molecular All/Ang 39 Compounds (Contd)  heating with adipic acid and glycolization of the polyester in turn. Gives a formula to express the relation between molecular weight of the polyester and quantity of acid required	Study of polycondensation of ethyleneglycol, with an excess of adipic acid showed that molecular weight of the derived polyesters was decreased as excess of adipic acid was increased. Derived formula for this relation. Considered acidification by	OBSER/Chamistry - Fight Mulecular Unit/Ang 49 Compounds  Compounds  The Research in the Field of High Molecular Compounds:  A No XXI (1), Polycondensation of Glycol With Adipic of Acid, " V. V. Korshak, V. V. Holubev, Inst of Org. Chem, Acad Sci USSR, 6th pp	

of substitutents. Establishes connection between dipole moments of vinyl compounds and their tendency Shore monosubstituted ethylenes is connected with polarity the substituent and that polymerization tendency of substituents attached to carbon of a carbonyl group polymerization tendency of cyclic amines and ethers Sep/oct 49 "Fileld of High-Molecular Compounds: XXII. Effect of the Polarity of Substituents on the Polymerizapolarization of the double bond under influence of to be dependent on polarity of bonds of heterostom, Sep/oct 49 Experiments showed that polymerization capacity of substituted ethylenes is increased as a result of 349116 149716 to polymerize, and explains regular structure of Korshak, Inst of Org Chem, Acad Sci USSR, 52 pp polyvinyl derivatives as result of polarization affect of substituents. Introduction of polar tion Ability of Substituted Ethylenes," V. V. decreases tendency of compound to polymerize. "It Ak Nauk SSSR, Otdel Khim Nauk" No 5 Compounds (Contd) USER/Chemistry - High-Molecular Polymerization USGR/Chemistry - High-Molecular Compounds Submitted 20 Nov 47. PAI49T16 KCRSHAK, • А

38013. KORSHAK, V. V., FREYDLINA, R. KH., AND KABACHNIK, E. I.

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No. 6, S. 562-66 S Portr.

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KUHSHÁK, V. V.

Marietry - Burry Calleria Apr 19 Elga-Mileoniar Compounds

"The Field of High-Molecular Compounds: XXII, Polycondensation of Benzyl Chloride," V. V. Korshak, W. W. Lebedev, M. A. Tsipershteyn, Moscow Chemicotechnol Instriment D. I. Mendeleyev, 62 pp

"Zhur Obshoh Khim" Vol XIX, No 4

Studied this reaction in the presence and in the absence of benzene, the molecular weight of the product formed being decreased as the amount of benzene is first introduced. Shows that the closing link in the chain of the macromolecule is the dihydroanthracene ring. Submitted 4 Dec 47.

S. R. RAPPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R00082492001

"Investigations in the Field of Highmolecular Compounds. 25th report: The Mechanism of the Reaction of Linear Polycondensation." Journal of General Chemistry, 19, (81) 2109-17, November 1949. Institute for Organic Chemistry of the Academy of Sciences, USSR.

ABSTRACT AVAILABLE

D-50054

AL AL CARICAVA PA 25/4917 USSR/Chemistry -- Kinetics Jan 49 Chemistry -- Esterification "The Problem of Reaction Kinetics in Polyesterification, "S. R. Rafikov, V. V. Korshak, 4 pp "Dok Ak Nauk SSSR" Vol LAIV, No 2 Investigates reaction kinetics of polyesterification for the case of interaction of adipic acid with decamethyleneglycol and ethyleneglycol. Concludes that reaction speed of polyesterification will depend not upon chain's length, but upon concentration of free groups capable of reaction. Submitted 7 Oct 48. 25/49**T**7

KORSHAK, V. V.

USSR/Chemistry - Amides, Formation Chemistry - Hydrolysis

Jan 49

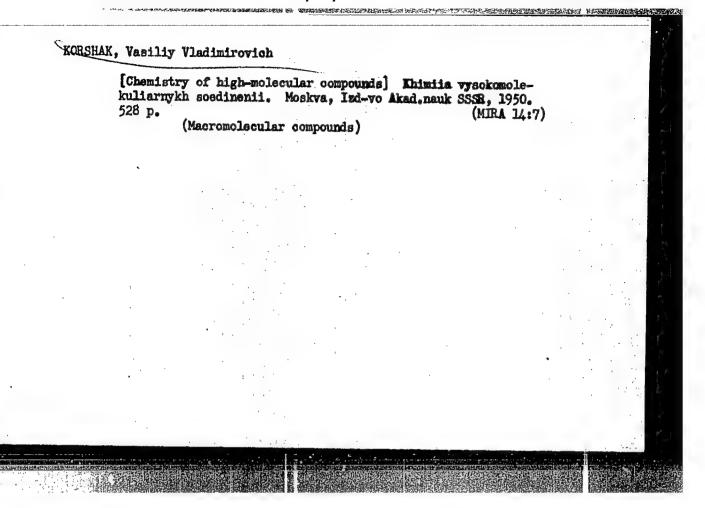
"The Kinetics of Amid Formation and Hydrolysis," G. N. Chelnokova, S. R. Rafikov, V. V. Korshak, 3 pp

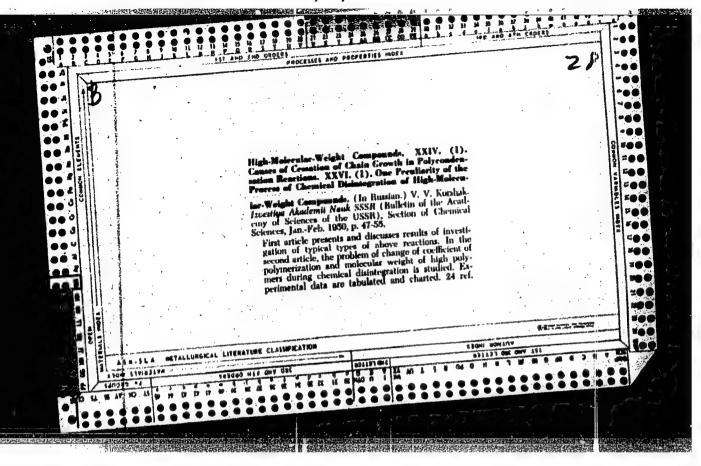
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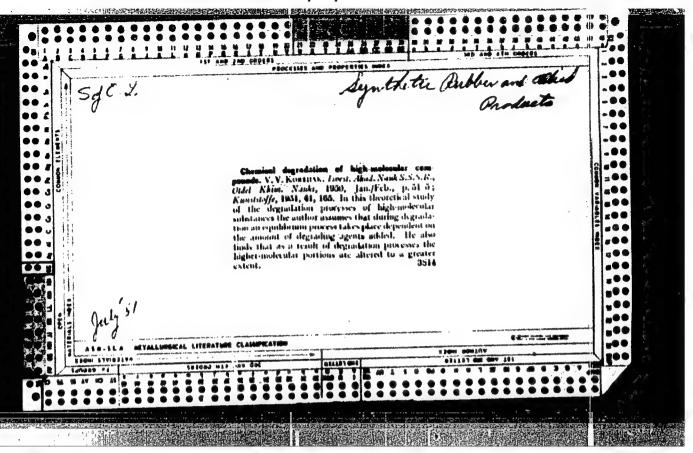
Kinetic study of the reaction of sebacic acid with hemmethylenediamine under verying conditions (temperature and catalysis). Submitted 8 Oct 48

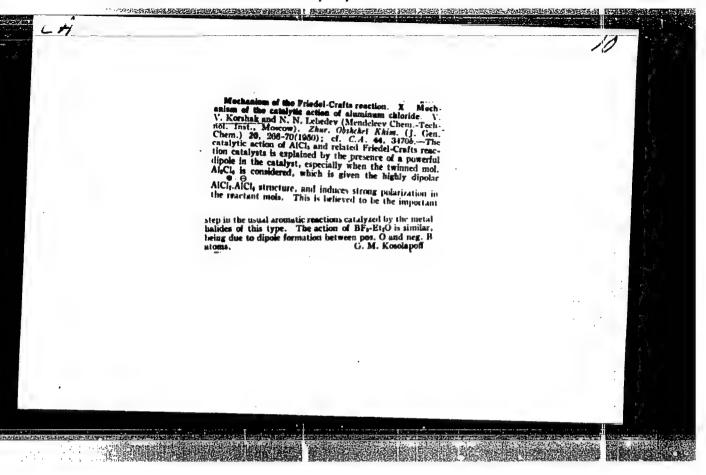
PA 27/4917

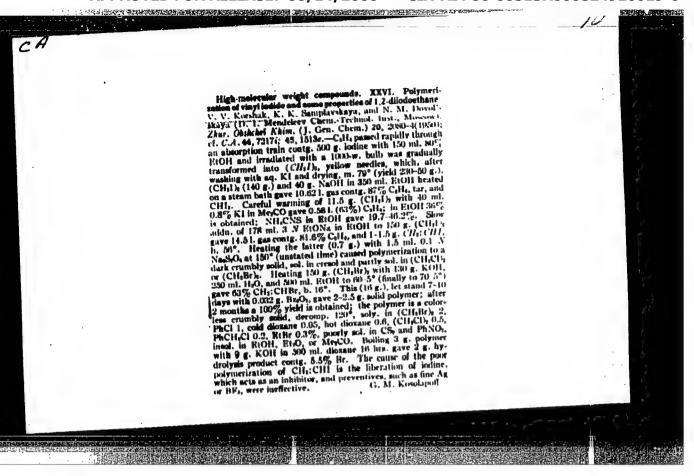
USER/Chemistry - Molecular Weights,  Chemistry - Cellulose, Hydrolysis of Chemistry - Cellulose, Hydrolysis of With a High Molecular Weight in the Process of Chemical Destruction, W. V. Korshak, Inst Org Attempts to make Freudenberg and Knhn's theory applicable to the first stages of the destruct process. This theory stems from representation of infinitely long chains of the parent substa  USER/Chemistry - Molecular Weights, and was successfully applied in the case of or destruction of cellulose as a result of hydrol and was light applied in the case of or destruction of cellulose as a result of hydrol and man and was successfully applied in the case of or destruction of cellulose as a result of hydrol and was an account of the parent of hydrol and was a successfully applied in the case of or destruction of cellulose as a result of hydrol and was the control of the parent of hydrol and was the control of the parent of hydrol and was the control of the parent of hydrol and was the control of the parent of hydrol and was the control of the parent of hydrol and was the control of the parent of hydrol and was the control of the parent o	feb 45 of Compounds Process of c, Inst Org Chem	s theory destructive sentations it substance, 27/49712	Feb 49 e of complete hydrolysis.	27/A9TI2
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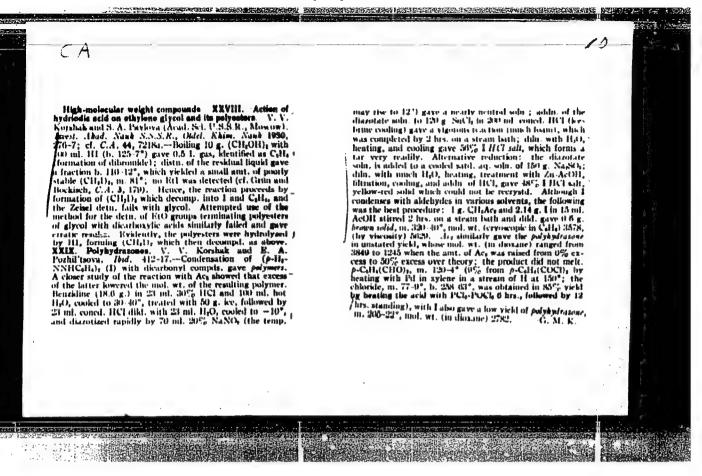


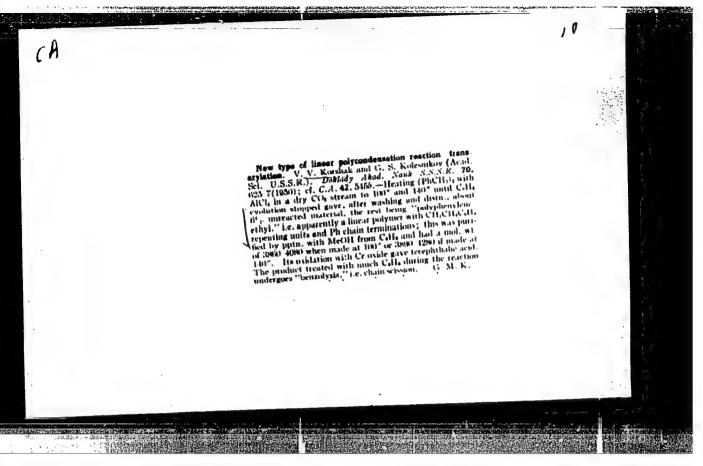






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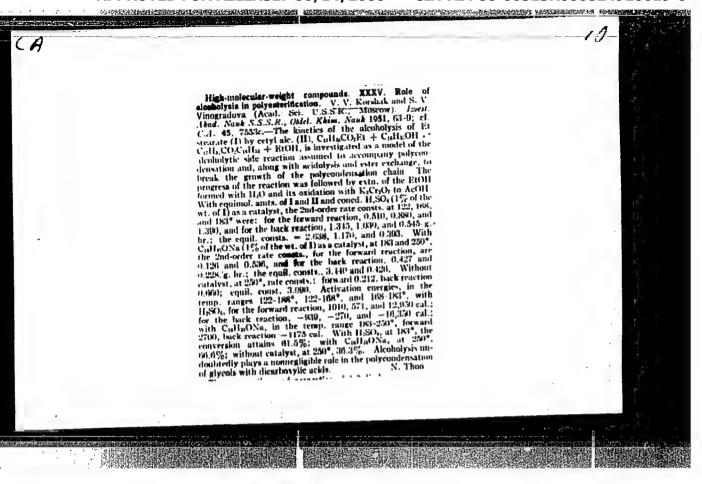


IVANOV, V.I., doktor tekhnicheskikh nauk; KORSHAK, V.V., doktor khimicheskikh nauk, otvetstvennyy redaktor; KORGHITSYNA, I.E., redaktor izdatel'stva; KISELEVA,A.A., tekhnicheskiy redaktor

[Macromolecules] Molekuly-giganty. Moskva, Izd-vo Akademii nauk.

SSSR, 1951. 116 p. (MIRA 9:11)

(High molecular weight compounds)

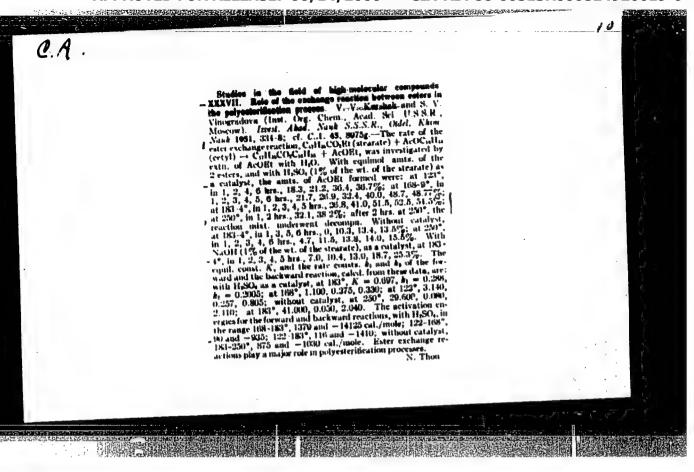


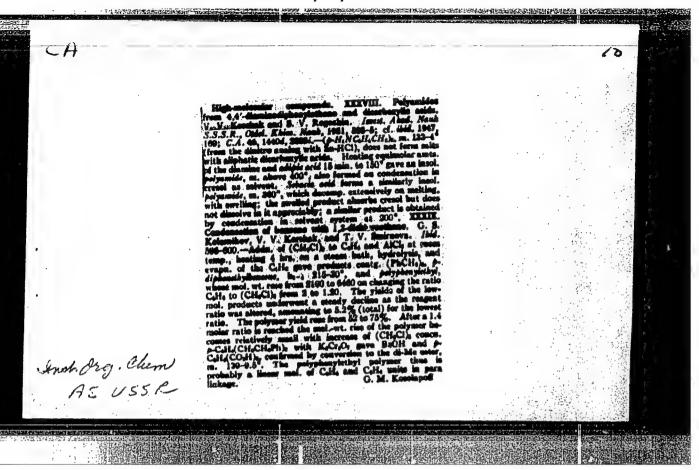
KORSHAK, V. V.

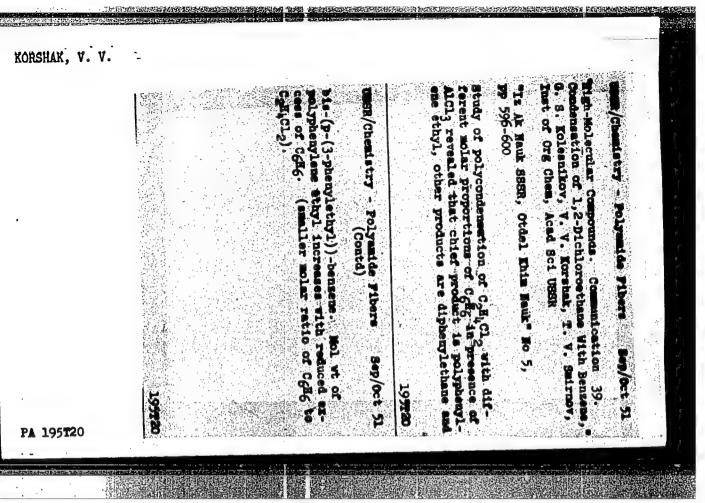
V. V. Korshak and S. V. Vinogradova, High molecular compounds. 36. The importance of acidolysis in the reaction of polyesterification. P. 179.

Inst. of Organic Chem. Acad. of Sci., USSR. March 20, 1950.

SO: Bulletin of the Acad. of Sciences, Izvestia (USSR) Section on Chemical Sciences, No. 2. (March-April 1951).





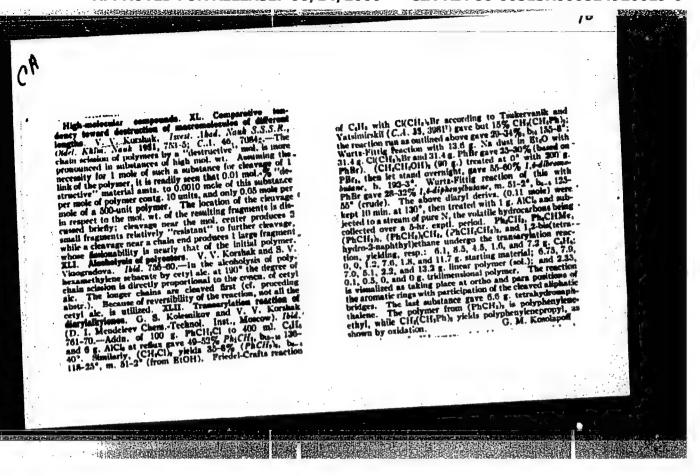


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USEN/Chemistry - Eigh-Molecular Compounds: IXL. Alcoholysis of Polyesters, "V. V. Korshak, S. V. Vinogradova, II Org Chem, Acad Sci USSR "Iz Ak Mank SSER, O'del Enim Mank" No 6, pp 756-759 Investigated alcoholysis of polyhexamethlenesebaceste by heating it with varying quantities of cetyl alc. Found that the destruction of polyester is directly proportional to the quantity of the interest of the reaction and its of the equil character of the reaction and its reversibility not all of the cetyl alc is utilized in the destructive reaction.  112ed in the destructive reaction:	KURSHAK, V. V.		PA 197711
		investigated alcoholysis of polyhexamethleneseba- ceste by heating it with varying quantities of cetyl alc. Found that the destruction of poly- ester is directly proportional to the quantity of cetyl alc. The longest mole are destroyed let cetyl alc. The longest mole are destroyed let compounds (Contd)  compounds (Contd)  compounds (Contd)  compounds (Contd)  compounds (Contd)  lized in the destructive reaction and its the equil character of the cetyl alc is uti- the cetyl alc is uti- the destructive reaction.	USER/Chamistry High-Molecular Compounds  "Eigh-Molecular Compounds. IXL. Alcoholysis of Folyesters," V. V. Korshak, S. V. Vinogradova, Imst. Org Chem, Acad Sci USSR "Iz Ak Hauk SSSR, Otdel Khim Mauk" No 6, pp 756-759

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KORSHAK. V. V.

USSR/Chemistry - High-Molecular Compounds

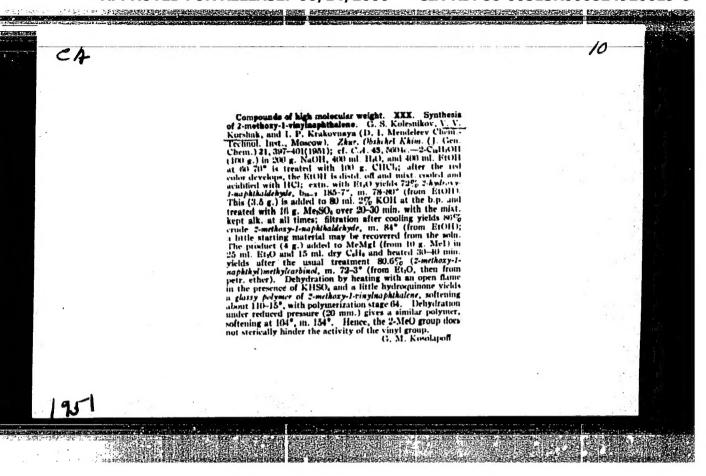
Nov/Dec 51

"High-Molecular Compounds. IXLII. Rearylation of Diarylalkylenes," G. S. Kolesnikov, V. V. Korshak, Inst Org Chem, Acad Sci USSR, Moscow Chimicotechnol Inst imemi D. I. Mendeleyev

"Iz Ak Nauk SSSR, Otdel Khim Nauk" No 6, pp 761-770

Polycondensation of 1,2-diphenylethane in the presence of AICI3 into polyphenyleneethyl, as described previously by the authors, is based on a rearylation (benzene is liberated). In this instance, established that diphenylmethane, 1,1-diphenylethane, 1,3-diphenylpropane (I) 1,4-diphenylbutane (II), and 1,2-di-(beta-tetralyl)-ethane also undergo rearylation. Found that with I and II, there is cyclic condensation under formation of hydeindene and tetralin inaddition to polycondensation. With II, cyclization predominates. In the rearylation of 1,3-diphenylpropane, polyphenylenepropyl is formed.

PA 197T12



"Chemistry of Highly Molecular Compounds," Kommunist, No. 62, 16 March 1951, Yerevan.
Lab. of Organic Chemistry of the Academy of Sciences of USSR.

Abstract - Report No. 112887

